

## PATENT ABSTRACTS OF JAPAN

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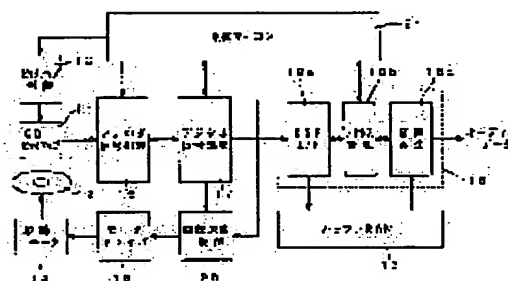
(21)Application number : 07-166156  
 (22)Date of filing : 30.06.1995

(71)Applicant : SANYO ELECTRIC CO LTD  
 (72)Inventor : NAGAO FUMIAKI

## (54) DISK REPRODUCING DEVICE

## (57)Abstract:

**PURPOSE:** To stabilize the circuit operation of a disk reproducing device.  
**CONSTITUTION:** The audio data obtained from a digital-signal processing part 17 are written into a buffer RAM 19 from a DSP interface circuit 18a in synchronization with the processing operation. Then, the data are read out into a speech reproducing circuit 18c at a constant speed and outputted. The amount of the audio data stored in the buffer RAM 19 is judged by controlling the writing addresses and the reading addresses for the buffer RAM 19. The rotating speed of a disk 12 is controlled in correspondence with the amount. Thus, the amount of the audio data stored in the buffer RAM 19 can be kept at an adequate range without stopping the reading operation of a CD pickup part 11 in synchronization with the processing operation of the digital-signal processing part 17.



## LEGAL STATUS

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(21)Application number : 05-018382

(71)Applicant : MATSUSHITA ELECTRIC IND CO LTD

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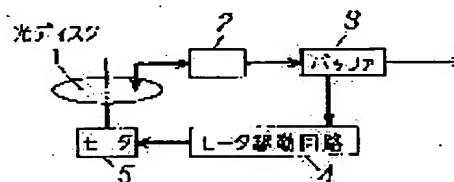
(72)Inventor : KAWAKAMI SHINICHI  
HONJO MASAHIRO

## (54) OPTICAL DISK REPRODUCING DEVICE

## (57)Abstract:

**PURPOSE:** To stably output information at all times even when the off-track arises due to vibration, etc., in the device reproducing digital information from a rotating recording medium.

**CONSTITUTION:** This device reproduces digital information from a rotating recording medium 1 and outputs a reproduced signal after storing it once in a buffer 3. When the stored amount of the reproduced data stored in the buffer 3 is larger than a prescribed value, the rotation speed of a motor 5 is made slow and when the stored amount of the reproduced data stored in the buffer 3 is smaller than the prescribed value, the rotation speed of the motor 5 is made quick. The buffer 3 is always made to keep the stored amount of the reproduced data around the prescribed amount, the frequent track-jumping is not required and, even when the off-track arises, the information is stably outputted by outputting it from the buffer 3.



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(21)Application number : 09-294361

(71)Applicant : NEC IC MICROCOMPUT SYST LTD

(22)Date of filing : 27.10.1997

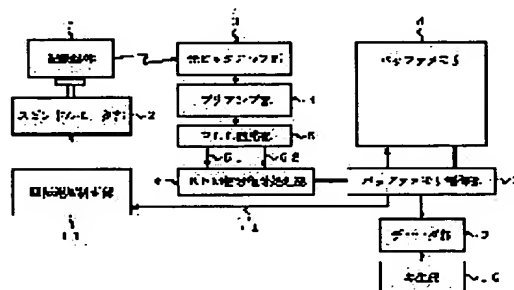
(72)Inventor : TANAKA HIROYUKI

## (54) REPRODUCING METHOD AND REPRODUCER OF DATA SIGNAL

## (57)Abstract:

PROBLEM TO BE SOLVED: To reduce power consumption by controlling a speed for acquiring a data signal from a recording medium at the time of reproducing the data signal from the recording medium of an optical disk or the like.

SOLUTION: The ratio of the space capacity of a buffer memory 8 is classified into N stages at the time of storing decoded data in the buffer memory 8 and an acquiring speed at the time of acquiring the data signal from a recording medium 1 is adjusted according to the ratio of the space capacity of the buffer memory at that time. A buffer memory control part 7 controls a spindle motor part 2 so as to become a specified rotational speed by selecting rotational speed control data and by applying them to a rotational speed control part 11. Thus, the power consumption at the spindle motor part 2 is reduced by acquiring the data from the recording medium 1.



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